

Submission for form 1446PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	Complete if known
Filing Date	10/531,077
First Named Inventor	2005-04-12
Art Unit	Proctor et al.
Examiner Name	2618
	SOBJTKA, PHILIP

Sheet 1 of 10

Attorney Docket No: 080587

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number/Kind Code/Agency	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US4000467	12-28-1976	Lentz et al.	
	002	US4061970	12-06-1977	Magneron et al.	
	003	US4124825	11-07-1978	Webb et al.	
	004	US4701935	10-20-1987	Namiki et al.	
	005	US4922259	05-01-1990	Hall et al.	
	006	US5280480	01-18-1994	Pitt et al.	
	007	US5349463	09-20-1994	Hironashi et al.	
	008	US5371734	12-06-1994	Fischer et al.	
	009	US5373503	12-13-1994	Chen et al.	
	010	US5408197	04-18-1995	Miyake et al.	
	011	US5430726	07-04-1995	Moorewood et al.	
	012	US5485486	01-16-1996	Gilhausen, Klein S. et al.	
	013	US5609028	04-16-1996	Marque-Pucheu et al.	
	014	US5608785	03-04-1997	Rakib et al.	
	015	US5610916	03-11-1997	Kostreski et al.	
	016	US5648964	07-15-1997	Kroninger et al.	
	017	US5654979	08-05-1997	Levin, Jeffrey A. et al.	
	018	US5678198	10-14-1997	Lemson et al.	
	019	US5726980	03-10-1998	Rickard et al.	
	020	US5732334	03-24-1998	Miyake et al.	
	021	US5754540	05-19-1998	Liu et al.	

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Substitute for form 1-446PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number		10/531,077	
Filing Date		2005-04-12	
First Named Inventor		Proctor et al.	
Art Unit		2618	
Examiner Name		SOBUTKA, PHILIP	

Attorney Docket No.: 080587

Sheet 2 of 10

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
022	US5764636	06-09-1998	Edsall et al.		
023	US5784683	07-21-1998	Sistanizadeh et al.		
024	US5852629	12-22-1998	Iwamatsu et al.		
025	US5857144	01-05-1999	Mangum et al.		
026	US5884181	03-16-1999	Arnold et al.		
027	US5963846	10-05-1999	Kurby et al.		
028	US6014360	01-11-2000	Hendel et al.		
029	US6032194	02-29-2000	Gai et al.		
030	US6061548	05-09-2000	Reudink et al.		
031	US6088570	07-11-2000	Komara et al.		
032	US6101400	08-08-2000	Oguz et al.		
033	US6108364	08-22-2000	Weaver, Jr et al.		
034	US6128512	10-03-2000	Trompower et al.		
035	US6188694	02-13-2001	Fine et al.		
036	US6195051	02-27-2001	McCoy et al.		
037	US6202114	03-13-2001	Dutt et al.		
038	US6215982	04-10-2001	Trompower et al.		
039	US6219739	04-17-2001	Dutt et al.		
040	US6222503	04-24-2001	Gietema et al.		
041	US6272351	08-07-2001	Langston et al.		
042	US6285863	09-04-2001	Zhang et al.		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	10/531,077
Filing Date	2005-04-12
First Named Inventor	Proctor et al.
Art Unit	2618
Examiner Name	SOBUTKA, PHILIP

Attorney Docket No: 080587

Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures
Cite Number-Kind Code ^(if known) No. ¹ Examiner initials-			

Examiner Initials*	Cite No.†	Document Number Number-Kind (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	043	US6298061	10-02-2001	Chin et al.	
	044	US6304563	10-16-2001	Blessent et al.	
	045	US6304575	10-16-2001	Carroll et al.	
	046	US6331792	12-18-2001	Toniello et al.	
	047	US6339694	01-15-2002	Komara et al.	
	048	US6342777	01-29-2002	Takahashi et al.	
	049	US6363068	03-26-2002	Kimoshita et al.	
	050	US6370185	04-09-2002	Schmutz et al.	
	051	US6370369	04-09-2002	Kraiem et al.	
	052	US6377612	04-23-2002	Baker et al.	
	053	US6377640	04-23-2002	Trans et al.	
	054	US6386995	05-14-2002	Gail et al.	
	055	US6473131	10-29-2002	Neugebauer et al.	
	056	US6501955	12-31-2002	Durrant et al.	
	057	US6535732	03-18-2003	McIntosh et al.	
	058	US6539204	03-25-2003	Marsh et al.	
	059	US6549667	04-15-2003	Fullerton et al.	
	060	US6628624	09-30-2003	Mahajan et al.	
	061	US6671602	12-30-2003	Ogawa et al.	
	062	US6684058	01-27-2004	Karacaoglu et al.	
	063	US6718160	04-06-2004	Schmutz et al.	

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Attorney Docket No: U80387

Pages, Columns,
Lines, Where
Relevant Passages
or Relevant Figures
Appear

064	US6728541	04-27-2004	Ohkura et al.	
065	US6781544	08-24-2004	Saliga et al.	
066	US6906669	06-14-2005	Sabet et al.	
067	US6934511	08-23-2005	Lovinggood et al.	
068	US6944139	09-13-2005	Campanella et al.	
069	US6957042	10-18-2005	Williams et al.	
070	US6983162	01-03-2006	Garrini et al.	
071	US6985516	01-10-2006	Easton et al.	
072	US6990313	01-24-2006	Yarkosky et al.	
073	US7027418	04-11-2006	Gan et al.	
074	US7058368	06-06-2006	Nicholls et al.	
075	US7088734	08-08-2006	Newberg et al.	
076	US7103344	09-05-2006	Menard et al.	
077	US7123676	10-17-2006	Gabara et al.	
078	US7132988	11-07-2006	Yegin et al.	
079	US7133391	11-07-2006	Belcea et al.	
080	US7139527	11-21-2006	Tamaki et al.	
081	US7193975	03-20-2007	Tsutsumi et al.	
082	US7194275	03-20-2007	Bolin et al.	
083	US7200134	04-03-2007	Proctor, Jr et al.	
084	US7215964	05-08-2007	Miyake et al.	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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of

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Attorney Docket No.: 080587

Application Number
10/531,077Filing Date
2005-04-12First Named Inventor
Proctor et al.Art Unit
2618Examiner Name
SOBJKA, PHILIP

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	085	US7233771	06-19-2007	Proctor, Jr et al.	
	086	US7299005	11-20-2007	Yarkosky et al.	
	087	US7319714	01-15-2008	Sakata et al.	
	088	US7409166	08-06-2008	Van Buren et al.	
	089	US7430397	09-30-2008	Suda et al.	
	090	US7486929	02-03-2009	Van Buren et al.	
	091	US7590145	09-15-2009	Futch et al.	
	092	US7623826	11-24-2009	Pergal et al.	
	093	US7676194	03-09-2010	Rappaport et al.	
	094	US20070286110	12-13-2007	James A. Jir et al.	
	095	US20010031646	10-18-2001	Williams, Terry L et al.	
	096	US20020045461	04-18-2002	Bongfield, David et al.	
	097	US20020061031	05-23-2002	Sugar, Gary L et al.	
	098	US20020102948	08-01-2002	Stanwood, Kenneth L et al.	
	099	US20020115409	08-22-2002	Khayrallah, Ali S et al.	
	100	US20020136268	09-26-2002	Gan, Hongbing et al.	
	101	US20020141435	10-03-2002	Newberg, Donald G et al.	
	102	US20020163902	11-07-2002	Takao, Toshiaki et al.	
	103	US20020177401	11-28-2002	Judd, Mano D et al.	
	104	US20030026363	02-06-2003	Stoier, Jan et al.	
	105	US20030139175	07-24-2003	Kim, Jong-Hwan et al.	

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Complete if Known
401534 077

Application Number	Filing Date	First Named Inventor
10/2008	10/2008	10/2008

КОПИЛКА ПУШКИ

Attorney Docket No: 080587

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First Named Inventor	Proctor et al.
Art Unit	2618
Examiner Name	SOBUTKA, PHILIP

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	126	US20060035643	02-16-2006	Vook et al.	
	127	US20060052066	03-09-2006	Cleveland et al.	
	128	US20060052099	03-09-2006	Parker et al.	
	129	US20060056352	03-16-2006	Proctor et al.	
	130	US20060063485	03-23-2006	Gainey et al.	
	131	US20060098592	05-11-2006	Proctor Jr et al.	
	132	US20060262026	11-23-2006	Gainey et al.	
	133	US20070025349	02-01-2007	Bajic et al.	
	134	US20070121546	05-31-2007	Zuckerman et al.	
	135	US20080057862	03-06-2008	Smith et al.	
	136	US20080233942	09-25-2008	Kim et al.	

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Examiner Initials	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or References Appear
Cite No.	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		
137	WO0208857A2	01-31-2002	CADENCE DESIGN SYSTEMS INC [US]	
138	WO2004062305A1	07-22-2004	WIDEN INC [US] et al.	

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For Japanese patent documents, the indication of the year of the origin of the patent document, K and/or document by Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is (and by USPTO) processed as application Confidentiality is governed by 38 U.S.C. § 522 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete the form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 600, Alexandria, VA 22304-0600.

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Statement for form 1449/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Application Number	10/531,077
Filing Date	2005-04-12
First Named Inventor	PROCTOR, AL
Art Unit	2618
Examiner Name	SOBUTKA, PHILIP
Attorney Docket No.	080537

Sheet 8 of 10

NON PATENT LITERATURE DOCUMENTS

Cite No.	Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published.	T2
139		ANDRISANO, et al., "On the Spectral Efficiency of CPM Systems over Real Channel in the Presence of Adjacent Channel and Co-channel Interference: A Comparison between Partial and Full Response Systems, IEEE Transactions on Vehicular Technology, Vol. 39, No. 2, May 1990.	
140		Copy of First Office Action issued from the Chinese Patent Office in connection with corresponding Chinese application No. 200380101286.2.	
141		Draft Correspondence to IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed Broadband Wireless Access Systems, IEEE P802.16-2004/Cor1/D5.	
142		Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems, Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands.	
143		IEEE 802.16(e), Part 16: Air Interface for Fixed Broadband Wireless Access Systems, 2005, Sections 8.4.10.2.1, 8.4.10.2.2.	
144		International Search Report - PCT/US03/031615 - ISA/US, Alexandria, VA 04-14-04.	
145		KANNANGARA, et al., "Analysis of an Adaptive Wideband Duplexer with Double-Loop Cancellation," IEEE Transactions on Vehicular Technology, vol. 56, no. 4, July 2007, pp. 1971-1982.	
146		KUTLU, et al., "Performance Analysis of MAC Protocols for Wireless Control Area Network," 1996 IEEE, pp. 494-499.	
147		Office communication dated January 12, 2007 issued from the European Patent Office for counterpart application No. 03734139.9-1246.	
148		Official communication issued from the European Patent Office dated August 7, 2007 for the corresponding European patent application No. 0375927.1, 4-2412.	
149		Official communication issued from the European Patent Office dated December 19, 2006 for the corresponding European patent application No. 0375927.1, 4-2412.	
150		Second Office Action issued from the Chinese Patent Office on July 20, 2007 in connection with corresponding Chinese application No. 200380101286.2.	
151		Specifications for 2.3 GHz Band Portable Internet Service - Physical & Medium Access Control Layer, TTAS-KO-06-0082/R1, December 2005.	

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Art Unit

Complete or Known
10/531,077
2005-04-12
Proctor et al.
2618

Examiner Name _____

Attorney Docket No: 0805887

Sheet	9	of	10	Attorney Docket No.	080587
Examiner Initials	Cite No.	NON PATENT LITERATURE DOCUMENTS			
		include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published.			
	152	Third Office Action issued from the Patent Office of People's Republic of China dated January 4, 2008 in corresponding Chinese Patent Application No. 200380101266.2			
	153	U.S. PTO Office Action mailed on April 17, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.			
	154	U.S. PTO Office Action mailed on January 24, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.			
	155	U.S. PTO Office Action mailed on November 21, 2006 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.			
	156	U.S. PTO Office Action mailed on November 6, 2006 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.			

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